



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : A61K 39/102, 39/116, 39/295, A61P 31/04	A2	(11) International Publication Number: WO 00/35477 (43) International Publication Date: 22 June 2000 (22.06.00)
(21) International Application Number: PCT/CA99/01189 (22) International Filing Date: 15 December 1999 (15.12.99) (30) Priority Data: 09/210,995 15 December 1998 (15.12.98) US (71) Applicant (for all designated States except US): CONNAUGHT LABORATORIES LIMITED [CA/CA]; 1755 Steeles Avenue West, Toronto, Ontario M2R 3T4 (CA). (71)(72) Applicants and Inventors: LOOSMORE, Sheena, M. [CA/CA]; 70 Crawford Rose Drive, Aurora, Ontario L4G 4R4 (CA). YANG, Yan-Ping [CA/CA]; Apartment 709, 120 Torresdale Avenue, Willowdale, Ontario M2R 3N7 (CA). KLEIN, Michel, H. [CA/CA]; 16 Munro Boulevard, Willowdale, Ontario M2P 1B9 (CA). (74) Agent: STEWART, Michael, I.; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (CA).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: MULTI-COMPONENT VACCINE COMPRISING AT LEAST TWO ANTIGENS FROM HAEMOPHILUS INFLUENZAE TO PROTECT AGAINST DISEASE (57) Abstract <p>A multi-component immunogenic composition confers protection on an immunized host against infection caused by <i>Haemophilus influenzae</i>. Such composition comprises at least two different antigens of <i>Haemophilus influenzae</i>, one of which is an adhesin. High molecular weight (HMW) proteins of non-typeable <i>Haemophilus influenzae</i> enhance the immune response in a host to a non-proteolytic analog of Hin47 protein in such immunogenic compositions with one component not impairing the immunogenicity of the other. The <i>Haemophilus</i> vaccine may be combined with DTP component vaccines to provide a multi-valent component vaccine without impairment of the immunogenic properties of the other antigens.</p>		

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